

S/N 09/458,862PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Allison Hubel

Examiner: Elli Peselev

Serial No.: 09/458,862

Group Art Unit: 1623

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Title: COMPOSITIONS AND METHODS FOR CRYOPRESERVATION OF
PERIPHERAL BLOOD LYMPHOCYTES**AMENDMENT & RESPONSE UNDER 37 C.F.R. § 1.116**

Box RCE
Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the final Office Action mailed on April 16, 2001 and the Advisory Action mailed September 7, 2001, please amend the above-identified application as follows.

In the Claims

Please substitute the claim set in the appendix entitled "Clean Version of Pending Claims" for the previously pending claim set. Specific amendments to individual claims are detailed in the following marked-up set of claims.

Please cancel claims 15 and 18 without prejudice.

Please amend the claims as follows.

1. (Twice amended) A cryopreservation medium for hematopoietic cells comprising a balanced electrolyte solution incorporating at least one cryoprotective agent that is arabinogalactan, or a biological or functional equivalent thereof, which [wherein the cryoprotective] agent is present in an amount [that results in a high survival rate for the cells,] of 1% w/v to 40% w/v, wherein the hematopoietic cells are freshly isolated lymphocytes, stem cells, lymphocytes which are modified *ex vivo*, or a combination thereof.

14. (Twice amended) A composition suitable for administration to a human, comprising a suspension of hematopoietic cells in a cryopreservation medium comprising a balanced electrolyte solution incorporating at least one cryoprotective agent that is arabinogalactan, or a biological or functional equivalent thereof, and a cryoprotective agent that penetrates the cell membrane, wherein the hematopoietic cells are freshly isolated lymphocytes,